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(54) **Process of making aluminum killed low manganese deep drawing steel.**

(57) A process of making aluminum killed, low manganese, deep drawing steel having a manganese content of up to .24%. The steel is hot rolled to hot band, cold rolled to final gauge, annealed and subjected to a small amount of temper rolling. In the annealing step, the steel is box annealed in coil form in such a manner that a coil cold spot temperature of at least about 1100°F (593°C) and below about 1250°F (677°C) is achieved.



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EUROPEAN SEARCH REPORT

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)
Y	DE-A-1 938 532 (NIPPON KOKAN) * claim 2 * ---	1	C 21 D 8/04
Y	PATENT ABSTRACTS OF JAPAN, vol. 5, no. 75 (C-55)[747], 19th May 1981; & JP - A - 56 23231 (SHIN NIPPON SEITETSU) 05-03-1981 ---	1	
A	US-A-3 513 036 (MCFARLAND et al.) * claim 3 * ---	1	
A	TRANSACTIONS ISIJ, vol. 21, 1981, pages 802-811, Tokio, JP; A. OKAMOTO et al.: "Development of Bake-hardenable Al-killed Steel Sheet by Box-annealing Process" * page 808, figure 10 * ---	1	
A,D	US-A-3 239 390 (MATSUKURA et al.) ---		
A,D	US-A-3 668 016 (SHIMIZU et al.) ---		
A,D	US-A-3 709 744 (GOODMAN et al.) -----		
The present search report has been drawn up for all claims			
Place of search BERLIN		Date of completion of the search 28-05-1988	Examiner SUTOR W
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ----- & : member of the same patent family, corresponding document			

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